

**106.** An artificial tissue or organ, comprising human hepatocytes that express alpha-1-fetoprotein (AFP), albumin (ALB), alpha-1-antitrypsin, glucose, or glycogen.

**107.** An artificial tissue or organ, comprising human hepatocytes that endogenously express human leukocyte antigen G (HLA-G) and one or more biomarkers from C-X-C chemokine receptor type 4 (CXCR4), forkhead box protein A2 (FOXA2), hematopoietically expressed homeobox (HHEX), cytochrome P450 7A1 (CYP7A1), bile salt export pump (BSEP), alpha-1-antitrypsin member 1 (SERPINA1), ATP-binding cassette sub-family C member 2 (ABCC2), CCAAT-enhancer-binding protein beta (C/EBP $\beta$ ), hepatocyte nuclear factor 1-alpha (HNF1 $\alpha$ ), or any combination thereof.

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